



reddot award 2014
honourable mention



UT 9000

Reliable pipe location.
easy – always – efficient



UT 9000 – easy – always – efficient



A new dimension in pipe location

When it comes to locating underground pipes and cables, precision is key. The more precise the measurement, the lower the risk of digging up the wrong spot. Performance, practical handling and simple operation are just as important for fast and efficient work. Likewise, reliability, versatility and a sturdy design are also essential for obtaining reliable measurements in difficult conditions and inaccessible environments.

The **UT 9000** is a cutting-edge location system, which fulfils these requirements with a pioneering design and sets new standards in pipe location.



Cutting-edge technology for outstanding performance

With the **UT 9000**, the **UT 9000 R** receiver is best combined with the **UT 9012 TX** generator, the most powerful transmitter in its class. The system features automatic frequency selection, extremely long battery life, amazingly simple operation and, above all, versatility – enabling you to rise to any work challenge.

Find the optimal frequency immediately, connect two pipes simultaneously or locate extra long pipe sections. Accurately locate pipes in difficult environments and all weathers, or reliably determine the depth of the pipe – just work more quickly, more accurately and thus more efficiently!



So simple

Operation made easy

Use the **UT 9000** easily without extensive training. The receiver and generator have a logical operating concept. The structured menus on the clear display show both intelligible symbols and textual information and thus reliably guide you to your objective.

Intelligent frequency selection

The **UT 9000 R** scans the ambient noise, detects any interference signals and suggests the optimal frequency for passive or active location. This speeds up your work and makes location more reliable.



Comfortable

The balanced **UT 9000 R** receiver fits nicely into the hand. It ensures ergonomic carrying comfort and effortless work.

Internet updates

You can update the software easily online and individually preset the device. From 70 frequencies you can select the relevant ones for you and install your personal start screen, for example with your company logo. This ensures the **UT 9000** is always up to date and meets your personal requirements.

Always ready for use

Reliable depth measurement

If the receiver is exactly over a pipe, the **UT 9000** conveniently and automatically determines the depth at which the pipe is located. The calculated value is the distance between the bottom edge of the aerial and the centre of the pipe. The highly sensitive aerials in the **UT 9000 R** ensure above-average location success rates and exceptionally attainable depths.

High protection rating

Dirt, dust, extreme temperatures, rain? Not a problem thanks to the IP65 protection rating and the extremely sturdy construction. The **UT 9000** is always ready for operation, no matter where you are or what the weather.

Brilliant LC display

The graphic display is perfectly legible at all times, even in the brightest sunshine or in the dark. The clear and coherent layout of directional arrows and measurements makes work easier and reliably guides you to your objective.

Maximum availability

Benefit from extremely long operating times: 30 hours for the **UT 9000 R** receiver, 100 hours for the **UT 9012 TX** generator. This maximises the availability of the devices and means that you can work without interruption and independently of external power sources.



Impressively efficient

Powerful performance

The **UT 9012 TX** generator transmits at 12 Watts, offering unrivalled performance. You can track signals for longer and reliably locate even the longest of pipe sections.

Precise location

If you're not sure about the accuracy of a depth measurement, you can easily and conveniently verify the values using the offset depth by the 45° method (triangulation method). This gives you even more reliable and accurate results. The offset depth measurement returns first-class values, even when obstructions above the pipe in question prevent a direct measurement.



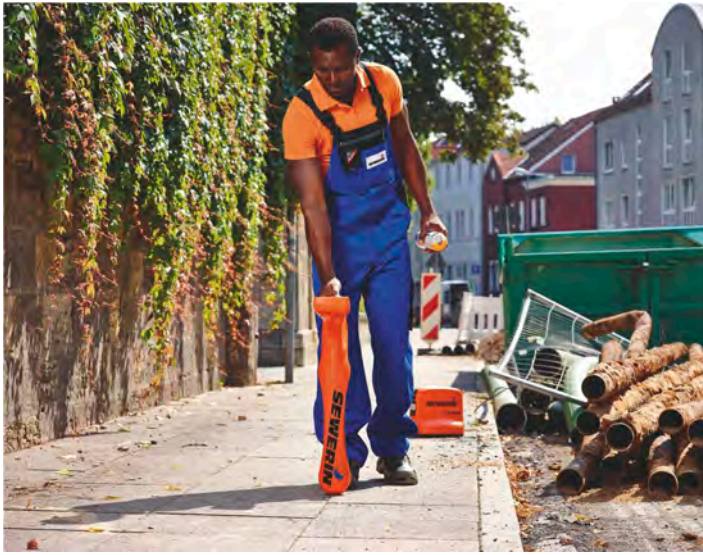
Location and calibration in just one step

S+H Locator software connects Trimble GNSS technology to the UT 9000. Location data is transmitted wirelessly via Bluetooth from the pipe locating device to the Trimble GIS receiver (e.g. GeoExplorer) and stored there along with the exact positions. The whole process is controlled by means of a button on the **UT 9000**.

Handy remote control

The radio remote control for the receiver is much more powerful than any of the Bluetooth connections previously available on the market. It allows you to toggle the frequency and output of the **UT 9012 TX** generator up to a long distance. This saves tedious running backwards and forwards, and thus time.





Flexible use

Passive location

Passive location involves locating signals already present on cables or pipes with just the receiver. This measuring method is suitable for active power and telecom cables as well as metal gas and water pipes.

Active location

With active location, the **UT 9012 TX** generator generates a frequency on the metal pipe to be located. The pipe can be energised by direct contact or – if there is no access – by induction. The process allows precise location results, even in difficult environments.

Location with probes

Using probes for the location process means that non-metal pipes can be located by inserting a glass fibre rod into the pipeline in question. The glass fibre rod is fitted with an embedded copper strand so that it can be energised by the **UT 9012 TX** generator and located using the **UT 9000 R** receiver. In this way, the path of the pipe in question can be determined very quickly and accurately.

A sonde is used to clearly determine the end of the glass fibre rod. This small, battery-operated transmitter generates its own field, which is detected precisely by the **UT 9000 R** receiver. The exact depth can also be measured. The sonde can also be used without a glass fibre rod. This opens up a wide variety of uses with pipeline cleaning pigs, channel cameras and other applications.



Pack contents

- Receiver **UT 9000 R**
- Generator **UT 9012 TX** or **UT 9005 TX**
- Set of cables
- Earthing spike
- USB cable
- Bag for **UT 9000 R** receiver
- Bag for generator



Accessories for even more options

- Y-cable
- Cable clamp
- Lithium-ion rechargeable battery
- Vehicle cable
- Fibre glass rods
- Cable drum
- Headphones
- Cover hammer and lifter
- Sondes
- Step voltage probe
- Antenna for EMS ball markers

Please contact us for a comprehensive quotation, including additional technical specifications and information on accessories.